Index of Claims

| Application/Control No. |
|-------------------------|
|-------------------------|

10/001,676

Examiner

BRIAN P. YENKE

| Ā | p | pli | ca | nt( | s) | /Pa | tent | und | let |
|---|---|-----|----|-----|----|-----|------|-----|-----|
|   |   |     |    |     |    | on  |      |     |     |

KIM ET AL. Art Unit

2614

| √ | Rejected |
|---|----------|
| 1 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | Claim Date |          |          |          |   |   | Claim Date  |                         |   |          |                 |          |                     |  |   |                    | Claim Date |   |  |              |       |            |           |                              |                         |          |                 |          |          |     |
|----------|------------|----------|----------|----------|---|---|---|-------------------------|---|----------|-----------------|----------|---------------------|--|---|--------------------|------------|---|--|--------------|-------|------------|-----------|------------------------------|-------------------------|----------|-----------------|----------|----------|-----|
| _        | E E        | 2        |          |          | 1   |   |   |                         |   |          | _               | व        |                     | 1  |   |                    |            |   |  |              |       | ল          |           |                              |                         |          |                 |          |          |     |
| Final    | Original   | 10/28/05 |          |          | -   |   |   |                         |   |          | Final           | Original |                     |  |   |                    |            |   |  |              | Final | Original   |           |                              |                         |          |                 |          |          |     |
| Œ        | Ö          | Ş        | li       |          | -   |   |   |                         |   |          | Œ               | Ö        |                     |  |   |                    |            |   |  |              | 正     | Ori        |           |                              | -                       |          |                 |          | İ        |     |
|          |            |          | Н        | _        | +   | +   | +   | +                       | +   | 4        |                 |          | $\sqcup$            | -  |   | 4                  | $\perp$    |   | Ш  |              |       |            |           |                              | _                       | ↓        | ╙               | Н        | $\dashv$ |     |
|          | 1          | 1        | Н        | 4        | +   | 4-  | -   |                         | +   | -        |                 | 51       | $\sqcup$            | +  | +   | -                  | -          | —   | 1  |              |       | 101        |           | -                            | +                       | <u> </u> | <u> </u>        | $\dashv$ | $\dashv$ | _   |
|          | 2          | 1        | Н        | -        | -   | -   | -   | +                       | +   | 4        |                 | 52       | $\square$           | -  |   | +                  | $\perp$    |   | Ш  |              |       | 102        |           |                              | +                       | ╄-       | <u> </u>        | $\dashv$ |          |     |
|          | 3          | √<br>0   | H        |          | -+  | +   | +   | +                       | +   | -        | <u> </u>        | 53       | $\vdash$            | +  | +   | +                  | -          | +   | Н  |              |       | 103        |           | +                            | +-                      | ┼        | -               | $\dashv$ | $\dashv$ | _   |
| $\vdash$ | 5          | 0        | Н        | +        | +   | +   | +   | +                       |   | -        | <u> </u>        | 54<br>55 | $\vdash \vdash$     | +  | +   | +                  | -          |   |  |              |       | 104<br>105 | $\vdash$  | +                            | ┿                       | ⊢        |                 |          | $\dashv$ |     |
|          | 6          | 6        | H        | +        | ╬   | +   | +   | +                       |   | -        | <u> </u>        | 56       | $\vdash$            | +  | +   | +-                 | +          |   | $\vdash$   |              |       | 105        | -         |                              | +                       | ╁        | -               | $\dashv$ |          | _   |
|          | 7          | 7        | Н        | -        | +   | +   | ╅   | +                       | +   | 1        | -               | 57       | Н                   | $\dashv$                                       | +   | +                  | -          |   | H  |              |       | 107        |           | $\dashv$                     | ╁                       | +-       | -               | $\dashv$ | $\dashv$ |     |
| $\vdash$ | 8          | V        | Н        | $\dashv$ | ╅   | +   | +   | +                       | $\dashv$  | ╢        |                 | 58       |                     | $\dashv$                                       |   | +-                 |            | - -   | <del>   </del>                                   |              |       | 108        | $\dashv$  | +                            | +                       | ╫        | ⊢               | $\dashv$ | $\dashv$ | _   |
| -        | 9          | Ö        | H        | _        | $\dashv$  | +   | +   | +                       |   | 1        |                 | 59       | $\vdash$            | +  | +   | ╅┈                 | $\dashv$   |   | $\vdash$   |              |       | 109        | $\dashv$  | -                            | +-                      | ╁╴       | $\vdash$        | $\dashv$ | $\dashv$ | _   |
|          | 10         | 1        |          | 1        | $\top$  | 十   | $\top$  | $\top$                  | $\top$  | 1        |                 | 60       | H                   | 十  |   | +                  | $\dashv$   |   | $\vdash$   |              |       | 110        |           |                              | +-                      | 十        |                 |          | $\dashv$ | _   |
|          | 11         | 1        | $\Box$   |          | $\top$  | $\top$  | ┪   | $\top$                  |   | 1        |                 | 61       | Н                   | $\dashv$                                       | $\dashv$  | +                  |            | $\top$  |  |              |       | 111        | $\dashv$  | $\dashv$                     | +-                      | t        | $\vdash$        | $\neg$   | 十        |     |
|          | 12         | 1        | $\Box$   | $\top$   | $\top$  | 十   | $\top$  | $\top$                  |   | 1        |                 | 62       |                     | $\dashv$                                       | $\top$  | 1                  | +          | $\dashv$  | $\sqcap$   |              |       | 112        | $\exists$ | $\dashv$                     | +                       | T        | П               | $\vdash$ | 一        | _   |
|          | 13         | 1        | П        | $\neg$   | $\top$  | 十   | _   | $\dashv$                | 1.  | 1        |                 | 63       | $\Box$              | $\dashv$                                       | $\top$  |                    | +          | $\top$  | П  |              |       | 113        | $\Box$    | $\dashv$                     | +                       |          | $\Box$          |          | -        | _   |
| П        | 14         | 4        |          | $\top$   | 十   | 十   | $\top$  | $\top$                  | $\top$  | 1        |                 | 64       | П                   |  | $\top$  |                    |            | $\top$  |  |              |       | 114        | $\Box$    | $\dashv$                     | $\top$                  | $\top$   | П               |          | $\dashv$ | _   |
|          | 15         | 7        |          |          |   | 丁   |   |                         |   | ]        |                 | 65       |                     | ⇉  |   |                    | $\Box$     |   |  |              |       | 115        |           |                              | T                       |          | П               |          | ヿ        | _   |
|          | 16         | 0        |          |          | I   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{\perp}$  |                         | Ι   | ]        |                 | 66       |                     |  |   |                    | $\Box$     | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |  |              |       | 116        |           | _ _                          |                         |          |                 |          |          | _   |
|          | 17         | 0        |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\perp$   | floor   | $\perp$                 | Ι   |          |                 | 67       |                     |  | I   |                    |            | $\perp$   |  |              |       | 117        |           |                              | I                       |          |                 |          |          | _   |
|          | 18         | 0        |          |          | $\Box$  | $\perp$   |   |                         |   | ]        |                 | 68       |                     |  | $\perp$   |                    |            |   |  |              |       | 118        |           |                              | $\perp$                 |          |                 |          |          |     |
|          | 19         | 1        |          |          | $\perp$   |   |   |                         |   | ]        |                 | 69       |                     |  |   |                    |            |   |  |              |       | 119        |           |                              |                         |          |                 |          |          |     |
| Щ        | 20         | 0        |          |          | $\perp$   | 4   | _   | 4                       | _ _   | <u> </u> |                 | 70       | Ш                   |  | $\perp$   |                    | $\perp$    |   | Ш  |              |       | 120        |           |                              |                         |          |                 |          |          |     |
| Ш        | 21         | 0        |          | $\perp$  | $\perp$   | 4   | $\perp$   | 4                       |   | 1        | L               | 71       |                     |  |   |                    |            |   | Щ  |              |       | 121        |           |                              |                         |          | $oxed{oxed}$    |          | -        |     |
| <u> </u> | 22         | 7        |          | _        | 4-  | _   | 4   | 4                       | _   | ]        | <u> </u>        | 72       | $\sqcup$            |  |   | $\perp$            | _          | _ _   | Ш  |              |       | 122        |           |                              | ┸                       | _        |                 |          | _        |     |
| $\vdash$ | 23         | 0        |          |          | _   | -   | _   | $\perp$                 |   |          | <u> </u>        | 73       | Ш                   |  |   | $\bot$             | $\perp$    |   | Ш  |              |       | 123        |           |                              |                         | L        | Ш               |          | $\dashv$ |     |
|          | 24         | 0        | $\sqcup$ | -        | -   | 4   | +   | +                       | +   | -        |                 | 74       | Н                   | _  |   | -                  | _          |   | Щ  |              |       | 124        | $\dashv$  |                              | 4-                      | ╙        |                 |          | 4        |     |
| ļ        | 25         | 0        |          |          | -   | +   | +   | +                       | -   | 4        |                 | 75       | Ы                   | _  |   | $\vdash$           | _          |   | Ш  |              |       | 125        | 4         | $\perp$                      | 4_                      | ļ.,      | Ш               | _        | 4        | _   |
|          | 26<br>27   |          | $\vdash$ |          | +   | +   | -   |                         |   | -        | <u> </u>        | 76       | $\vdash \vdash$     | _  | - -   | +                  | $\dashv$   |   | Ш  |              |       | 126        | -         |                              | _                       | ╄        |                 | $\dashv$ | $\dashv$ | _   |
| $\vdash$ | 28         | _        | $\vdash$ |          | +   | +   |   | +                       |   | -        | <u> </u>        | 77<br>78 |                     | -  | +   | ╀                  |            | +   | -  |              |       | 127        |           | -                            | -                       | ╀        | Н               | -        | $\dashv$ | _   |
| $\vdash$ | 29         | _        | Н        |          | +   | +   | +   | +                       |   | -        |                 | 79       | H                   | +  | -   | ╁┤                 |            | +-  | H  |              |       | 128<br>129 | -         | -                            | +                       | ┾        |                 | $\dashv$ | $\dashv$ | _   |
| -        | 30         |          | $\vdash$ |          | +,  | +   | +   | +                       | +   | -        | -               | 80       | ├┤                  | +  |   | +-                 | -          |   | +  |              |       | 130        |           | -                            | ╁                       | ⊢        | Н               | $\dashv$ | $\dashv$ | _   |
| $\vdash$ | 31         | -        | $\vdash$ |          | ╅   | ╅   | +   | +                       |   | -        |                 | 81       | Н                   |  | _   | +                  | -          | +-  | <del>                                     </del> |              |       | 131        | $\dashv$  |                              | ╁                       | ⊢        | $\vdash$        |          | $\dashv$ | _   |
| $\vdash$ | 32         | _        | H        | +        | +   | +   | +   | +                       | +   | 1        |                 | 82       | H                   | +  | +   | +                  | +          | +   | H  | H            |       | 132        | $\vdash$  | +                            | +                       | $\vdash$ | Н               |          | $\dashv$ | —   |
| М        | 33         |          | $\vdash$ | $\dashv$ | +   | +   | +   | +                       | +   | 1        |                 | 83       | $\vdash$            | $\dashv$                                       | +   | +                  | -          | +   | Н  |              |       | 133        |           | -                            | +                       | +        | Н               | +        | $\dashv$ | —   |
| М        | 34         |          | $\vdash$ | 十        | $\top$  | -   | +   | +                       | $\top$  | 1        | $\vdash$        | 84       | $\vdash$            | $\dashv$                                       | +   | $\forall$          | $\dashv$   | +   | H  | H            |       | 134        | $\vdash$  | $\dashv$                     | +                       | +        | Н               | +        | $\dashv$ | _   |
|          | 35         |          | $\vdash$ | $\dashv$ | 7   | $\top$  | $\top$  | +                       | $\top$  | 1        | $\Box$          | 85       | H                   | +  | $\top$  | $\dagger \exists$  | $\top$     | $\dashv$  | $\sqcap$   |              |       | 135        | $\dashv$  | $\dashv$                     | +                       | 1        | Н               | -        | $\dashv$ | _   |
|          | 36         |          | $\Box$   | $\neg$   | $\top$  | $\top$  | $\top$  | $\top$                  | 1   | 1        |                 | 86       | $\Box$              | $\dashv$                                       | $\top$  | $\forall \exists$  | 十          | $\top$  | $\Box$   |              |       | 136        |           | $\dashv$                     | $\top$                  | T        | Н               | $\dashv$ | $\dashv$ | _   |
|          | 37         |          |          |          |   | ╛   |   |                         |   | ]        |                 | 87       |                     | $\top$   | 1   | П                  | 寸          | 1   |  |              |       | 137        | $\neg$    |                              | $\top$                  | 1        | П               | $\dashv$ | 十        |     |
|          | 38         |          |          |          |   |   |   |                         |   | ]::::    |                 | 88       |                     | $\top$   | 1   | П                  | 十          |   | $\square$  |              |       | 138        |           | $\neg$                       | 1                       | 1        | П               | $\neg$   | $\dashv$ | _   |
|          | 39         |          |          |          | $oldsymbol{\mathbb{T}}$                           | $oldsymbol{\mathbb{T}}$                           | $oldsymbol{ol}}}}}}}}}}}}}} $ | $oldsymbol{\mathbb{T}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | ];;;;    |                 | 89       |                     | $\Box$   |   |                    |            | $I^{-}$   |  |              |       | 139        |           |                              | T                       |          | П               |          | 寸        |     |
|          | 40         |          |          |          |   |   |   |                         |   |          |                 | 90       |                     | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                    |            | ·   |  |              |       | 140        |           |                              | $oldsymbol{\mathbb{L}}$ |          |                 |          | 丁        |     |
|          | 41         |          |          |          |   |   |   | $\perp$                 |   | ]        |                 | 91       |                     | $oxed{\bot}$                                   | $\bot$  |                    |            |   |  |              |       | 141        |           | $oldsymbol{oldsymbol{\Box}}$ | Ι                       | $L^{T}$  |                 |          | $\Box$   |     |
|          | 42         |          | Ц        |          |   |   |   |                         |   |          |                 | 92       | Ш                   | $\perp \Gamma$                                 |   | $\Box$             |            |   |  |              |       | 142        |           |                              | $oxed{\Box}$            |          |                 |          | $\Box$   |     |
|          | 43         |          | Ц        | _        | _   | _ _   |   |                         |   | 1        |                 | 93       |                     |  |   | Ī                  |            |   |  | <b>!!!</b> [ |       | 143        |           |                              |                         |          |                 |          | $\Box$   |     |
|          | 44         | _        | $\sqcup$ | _        | $\bot$  | $\bot$  | $\bot$  | 4                       | 4   | <b>.</b> | igwdown         | 94       | Ц                   |  |   | $\sqcup$           |            |   | Щ  |              |       | 144        | [         |                              | 上                       | $\perp$  | $\Box$          | $\Box$   | $\bot$   |     |
| <b> </b> | 45         |          | $\sqcup$ | _        | 4   | 4   | 4   | 4                       | 4   | <b>.</b> |                 | 95       | Ш                   | $\perp$  | $\perp$   | $oldsymbol{\perp}$ |            | $\perp$   | Щ  |              |       | 145        | $\Box$    |                              | $\perp$                 | L        | Щ               | $\perp$  | $\Box$   |     |
|          | 46         |          | $\dashv$ | +        | 4   | _   | 4   | $\dashv$                | _   | 1        |                 | 96       | $\sqcup$            | 4  | _   | $\perp$            |            | $\bot$  | Щ  |              |       | 146        | $\Box$    | $\dashv$                     | _                       | _        | Ш               | $\dashv$ | ┙        |     |
|          | 47         |          | $\vdash$ | +        | +   | 4   |   | +                       | +-  | 4        | Щ               | 97       | $\square$           | $\perp$  | +   | $\sqcup$           |            | $\perp$   | Щ  |              |       | 147        | _         |                              | ┸                       | ┞-       | Щ               |          |          |     |
|          | 48         | _        |          | +        | +   | +   | 4   | +                       | +   | 4        | $\vdash$        | 98       | $\vdash \downarrow$ | 4  | _   | $\sqcup$           | _          | +-  | Щ  | ::.          |       | 148        | _         |                              | $\bot$                  | $\vdash$ | $\sqcup$        |          | 4        | ╝   |
|          | 49<br>50   |          |          |          | +   | +   | +   | +                       | +   | 4        | $\vdash \vdash$ | 99       | $\vdash \vdash$     | +  | +   | +                  |            | +   | H  | ⊪,           |       | 149        | $\dashv$  | +                            | +                       | $\vdash$ | $\vdash \vdash$ | 4        | 4        | _   |
|          | อบ         |          |          |          |   | ┸   |   | $\perp$                 | ⊥.  | Jiiiii   |                 | 100      |                     |  | - 1   | 1 1                |            | 1   | :  | :::          |       | 150        | - 1       | - 1                          | 1                       | 1        | ıi              | - 1      | - 1      | - 1 |